

Claims

1. A composition comprising
at least one compound **A** having at least two reactive groups selected
from the group comprising isocyanate, epoxide, alkoxysilane, and
mixtures thereof
and also
at least one polymeric thixotropic agent **B** prepared
by homopolymerizing a (meth)acrylate **B1**
or
by copolymerizing a (meth)acrylate **B1** with at least one further
(meth)acrylate, the (meth)acrylate mixture possessing an average
(meth)acrylate functionality \bar{f} of 2.5 to 4.5,
the (meth)acrylate **B1** having three or more (meth)acrylate groups.
2. The composition of claim 1, characterized in that the compound **A** is obtained
by a reaction of a polyurethane prepolymer **A3** containing at least two
isocyanate groups with at least one compound **AX** which contains an NCO-
reactive group, in particular primary or secondary amino group or SH or OH,
and also one or more epoxide or alkoxysilane groups.
3. The composition of claim 1, characterized in that the compound **A** is obtained
by a reaction of a polymer **A3-1** containing at least two isocyanate-reactive
groups with at least one compound **AY** which contains an NCO group and
also one or more alkoxysilane group.
4. The composition of claim 1, characterized in that the compound **A** is a
compound **A1** which is a diglycidyl ether of bisphenol A, bisphenol F,
bisphenol A/F, a mixture or an oligomer thereof, preferably bisphenol A
diglycidyl ether.

5. The composition of any one of claims 1 to 3, characterized in that the compound **A** is a compound **A2-1** which is polyurethane prepolymer containing at least two alkoxy silane groups.
- 5 6. The composition of any one of claims 1 to 3, characterized in that the compound **A** is a compound **A2-2** which is polyether containing at least two alkoxy silane groups.
7. The composition of claim 6, characterized in that the compound **A2-2** is
10 obtained by a hydrosilylation reaction from polyether containing at least two C=C double bonds, in particular from allyl-terminated polyoxyalkylene polymers, and from a compound $\text{HSi}(\text{R}^1)_a(\text{OR}^2)_{3-a}$, where R^1 and R^2 independently of one another represents a C_1 - C_8 -alkyl radical, in particular methyl or ethyl, and a represents the value 0 or 1, in particular the value 0.
- 15 8. The composition of claim 5 or 6 or 7, characterized in that the alkoxy silane groups are trimethoxy silane or triethoxy silane groups, especially trimethoxy silane groups.
- 20 9. The composition of claim 1, characterized in that the compound **A** is a compound **A3** which is a polyurethane prepolymer containing at least two isocyanate groups.
10. The composition of claim 2 or 9, characterized in that the polyurethane
25 prepolymer **A3** containing isocyanate groups or the polyurethane prepolymer **A3-1** containing isocyanate-reactive groups is prepared from the reaction of at least one polyol with at least one polyisocyanate, in particular with at least one diisocyanate.
- 30 11. The composition of claim 10, characterized in that the polyol is a polyoxyalkylene polyol, in particular a polyoxyalkylene diol or triol, in particular a

polyoxypropylene diol or triol or an EO-endcapped polyoxypropylene diol or triol.

- 5 12. The composition of claim 11, characterized in that the polyol is a polyoxyalkylene polyol having a degree of unsaturation <0.02 meq/g and a molecular weight M_n of 1000 to 30 000 g/mol.
- 10 13. The composition of any one of the preceding claims, characterized in that the (meth)acrylate **B1** contains three, four or five (meth)acrylate groups and is selected in particular from the group comprising glycerol tri(meth)acrylate, tris(2-hydroxyethyl)isocyanurate tri(meth)acrylate, trimethylolpropane tri(meth)acrylate, ditrimethylolpropane tetra(meth)-acrylate, pentaerythritol tetra(meth)acrylate, glucose penta(meth)acrylate, sorbitol hexa(meth)acrylate, dipentaerythritol hexa(meth)acrylate, and
15 their ethoxylated or propoxylated analogs, and is preferably trimethylolpropane trimethacrylate.
- 20 14. The composition of any one of the preceding claims, characterized in that the polymeric thixotropic agent **B** is a copolymer which is prepared from a (meth)acrylate mixture having an average (meth)acrylate functionality \bar{f} of 2.5 to 3.5, in particular between 2.8 and 3.2.
- 25 15. The composition of any one of the preceding claims, characterized in that the composition comprises at least traces of the organic free-radical donor used for the free radical polymerization of the (meth)acrylates, in particular an organic peroxide, or derivative reaction products thereof.
- 30 16. The composition of claim 15, characterized in that the organic peroxide has a decomposition temperature $T_{1/2}$ (1h) of between 100°C and 50°C.
17. The composition of claim 15 or 16, characterized in that the organic peroxide is a peroxide of a fatty acid, especially dilauryl peroxide.

18. The composition of any one of the preceding claims, characterized in that the amount of polymeric thixotropic agent **B** is between 0.1% and 10% by weight, in particular between 0.5% and 5% by weight, based on the weight of the composition.
19. The composition of any one of the preceding claims, characterized in that the composition further comprises at least one plasticizer.
20. The composition of claim 19, characterized in that the plasticizer is a phthalate or an adipate, in particular a dialkyl phthalate or dialkyl adipate, preferably diisodecyl phthalate or dioctyl adipate.
21. The composition of any one of the preceding claims, characterized in that the composition further comprises at least one filler, especially carbon black.
22. The composition of claim 21, characterized in that the amount of filler is between 25% and 50% by weight, in particular between 25% and 45% by weight, preferably between 30% and 40% by weight, based on the weight of the composition.
23. A process for preparing a composition of any one of claims 1 to 22, characterized in that the polymeric thixotropic agent **B** is added to the compound **A**.
24. A process for preparing a composition of any one of claims 1 to 22, characterized in that the polymeric thixotropic agent **B** is polymerized in the compound **A** from (meth)acrylates.

25. The process of claim 24, characterized in that the polymerization of thixotropic agent **B** takes place at a temperature of between 80 and 100°C, in particular between 80 and 90°C.
- 5 26. The process of claim 25, characterized in that the polymerization of thixotropic agent **B** takes place as a result of an organic peroxide having a decomposition temperature $T_{1/2}$ (1h) of between 100°C and 50°C, especially dilauroyl peroxide.
- 10 27. The use of a compound **B** prepared
by homopolymerizing a (meth)acrylate **B1**,
or
by copolymerizing a (meth)acrylate **B1** with at least one further
(meth)acrylate, the (meth)acrylate mixture having an average
15 (meth)acrylate functionality \bar{f} of 2.5 to 4.5, in particular of 2.5 to 3.5,
preferably 2.8 to 3.2,
the (meth)acrylate **B1** having three or more (meth)acrylate groups, as a
thixotropic agent.
- 20 28. The use of claim 27, characterized in that the (meth)acrylate **B1** contains
three, four or five (meth)acrylate groups and is selected in particular from
the group comprising glycerol tri(meth)acrylate, tris(2-
hydroxyethyl)isocyanurate tri(meth)acrylate, trimethylolpropane
tri(meth)acrylate, ditrimethylolpropane tetra(meth)acrylate, pentaerythritol
25 tetra(meth)acrylate, glucose penta(meth)acrylate, sorbitol
hexa(meth)acrylate, dipentaerythritol hexa(meth)acrylate, and their
ethoxylated or propoxylated analogs, and is preferably trimethylolpropane
trimethacrylate.
- 30 29. The use of a composition of any one of claims 1 to 22 as an adhesive,
sealant, coating or covering, in particular as an adhesive or sealant.

30. An article characterized in that it is in contact with a composition of any one of claims 1 to 22.
 31. An article characterized in that it is in frictional contact with a moisture-hardened composition of any one of claims 1 to 22.
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